

## CLAIMS

1. An electrolyte composition comprising an ionic liquid including dicyanoamide anions as anions.  
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2. The electrolyte composition according to claim 1, wherein the ionic liquid has a quaternized nitrogen atom in cations.
3. The electrolyte composition according to claim 1 containing a halogen-based  
10 oxidized / reduced pair.
4. The electrolyte composition according to claim 1 used as an electrolyte of a photoelectric conversion element.
- 15 5. A photoelectric conversion element comprising the electrolyte composition according to claim 1 as an electrolyte.
6. The photoelectric conversion element according to claim 5 being a dye sensitizing solar cell.

## ABSTRACT

An electrolyte composition containing an ionic liquid having dicyanoamide anions as anions. Examples of cations of the ionic liquid, may include, for example, cations having a quaternized nitrogen atom. This electrolyte composition may contain a halogen-based oxidized/ reduced pair. This electrolyte composition is used as an electrolyte of a photoelectric conversion element.

FIG. 1

